









World in Union. International Rugby Conference.

Tackling the Big Issues. Passing on Knowledge. Kicking it Forward.

28th June-30th June, 2017
Palmerston North, New Zealand.

CONFERENCE PROGRAMME
AND PROCEEDINGS





Conference Presentation Schedule: Friday 30th June

9am-955am	Keynate Speaker (3) John Evans Conference Room			
0am-1025am	Se Se	ssion 27	Session 28	Session 29
Jun 19250	The New Rugby Smart Joe Harowiro, Danielle Solmon, Ion Murphy		Pelanary Session: Rugby Culture	Symbolic Resistance and Contested Allegiance: Pacific Peoples in New Zealand Rugby
417	Conference Room		Syndicate Room	Andrew Groinger Board Room
30am		MORNIN	IG TEA: SRI FOYER	
			TE STEPHOLES CONTENTS TO THE STEPHOLES	
lam-1125am	Session 30	Session 31	Session 32	Session33
	Measurement of Competitive Balance in NSW Premiership Rugby. & the Player Points System David Band	The Rugby Trur Gets Down to the Bedrock of New Zealand's Sporting Life Greg Ryan	The Onallenge of Japan IRFU: The Need for Strengthering Relationships with Spectators Mokoto Mokozawa, Salosh Iwamuro, Naoko Yashioka Naoki Mord, Yusuke Kumda	Intelligent Career After Bugby Getting Your Head in the Game Julia Richardson, Stephen McKenna, Marilyn Clarke Subramaniam Anathrom
	Conference Room A	Conference Room B	Syndicate Room	Board Room
220	Session 34	Session 35	Session 36	Session 37
130am-1155am	Coaching & Promoting Rugby in Regional Schools	Tales of the Tours: Accounts of the 1959, 1966,	Values of Oral Traditions in Rugby	Public Health Agenda Influence on
	Problems, needs and successes. Dave Robinson	1971 & 1977 Lions Tours in Sporting Literature Geoff Watson	(Wisconsin Rugby 5 ports Complex) Robert Buchanan	Regional Rugby Sponsorship Rochel Botty & Soroh Gre
	Conference Rooom A	Conference Room B	Syndicate Room	Board Room
2pm-1225pm	Session 38	Session 39	Session 40	Session 41 & 45
Tepin-Teespin	Rugby Injury: A Consolracy of Pain	Overseas Rugby World Cup	New Zealand Rugby Concussion:	
	Phil Handcack & Tonia Cossidy	Fans' Constraints Analysis Tatsuru Nishio, Frank Scrimgeour,	Management & Treatment Danielle Solman	
	Conference Room A	Harold van Heerde, Valentyna Meloyk Conference Room B	Syndicate Room	Plenary Session: Injury & Prevention
1230pm-1255pm	Session 42	Session 43	Session 44	
	Nationalism, Rugby & Emotion:	A Systems Perspective on Governance	Do the world's best influence on-field performance?	
	Love, Hate & Everything in Between Tool Brace	in Sport Organisations John Davies	Estimating the impact of N2 rugby coaches Som Rictionalson	
	Conference Room A	Conference Room B	Syndicate Room	Board Room
pm-2pm	LUNCH: SRI FOYER			
	HE WASHINGTON	CONTRACTOR AND ADDRESS OF THE PARTY.	Carlo Car	
2pm-255pm	Keynote Speaker (5) Melodie Robinson Conference Room			
pm-325pm	Session 46		Session 47	Session 48
,p 323p	NZ Rughr's Leader-vijn d'Arit Ermonhebia Bunduler Policies in 18 Sport Sally-Show & ron Long		Rugby Strength & Conditioning: Fronting Up to Contemporary (swas and Practice Tonia Cossity & Phil Handcock	Livelihoods, Creation and Poverty Reduction through Rugby Genreated Remittances Roctelle Stewart-Withers Koll Sewaba, Sam Richardson
	Conference Room		Syndicate Room	Board Room
30pm		AFTERNO	ON TEA: SRI FOYER	
4pm-425pm	Session 49 What is the Purpose? Rugby Coaching	Session 50 "Barbad-Wire Bolo": The Long Shadow of the 1981	Session 51	Session 52
	What is the Purpose? Rugby Coaching in NZ Secondary Schools Blake Benoett	"Burbad-Wire Boles": The Long Stradow of the 1981 Springbok Tour of New Zealand Sebastion Patgister	Kava Session	Plenary Session: History, Culture & Nationalism
	Conference Room A	Conference Room B		Board Room
430pm-455pm	Session 53	Session 54		Session 55
	Changing the Paradigm; More Than Just a Player!	Quantifying & Compairing the Physical Characteristics of Sub-Elite Level Rugby Players	- !	Injury Prevention in Male & Female Rugby Player Mike Harnett, Darryl Cochrone, Scott Finfold
	Glenn Fyall	Marrin Haggië, N Sago, Frans van der Merwe & Masaru IIa Conference Room B	Syndicate Room	Board Room
	Conference Room A			

N.B. Some abstract titles have be shortened to fit the schedule formating. Full abstract tides are noted with accompanying abstracts in the conference programme (to be released in June

Quantifying and Comparing the Physical Characteristics of Sub-Elite Level University Age Rugby Players from New Zealand and Japan

Marrin Haggie¹, N Saga² & Frans van der Merwe¹

¹Waikato Institute of Technology, ²Teikyo University

Objectives: To quantify and compare the physical characteristics of sub-elite university age rugby players from New Zealand and Japan.

Methods: Fifty-seven athletes from New Zealand (n=28) and Japan (n=29) were assessed using a battery of standardised testing protocols to determine individual physical characteristics. Athletes were measured for height, weight, body composition (sum of 8 skinfolds), flexibility (sit and reach), muscular strength (predicted 1RM back-squat and benchpress), muscular power (counter-movement jump and bench-throw), muscular endurance (60s pull-ups and push-ups), speed (10,20 and 40m sprint), change of direction speed (505 agility test), aerobic capacity (multi-stage shuttle run test) and repeated sprint ability (repeated sprint ability test).

Results: The differences between the New Zealand and Japanese athletes are minimal. However, the New Zealand athletes tested significantly better (p < 0.05) than the Japanese athletes for flexibility (27.81 \pm 7.27cm vs 13.15 \pm 6.65cm) and 10m sprint speed (1.76 \pm 0.08s vs 1.81 \pm 0.08s). Japanese athletes tested significantly better (p < 0.05) than their New Zealand counterparts for counter-movement jump (72.91 \pm 6.69cm vs 59.68 \pm 7.77cm), bench-throw (1215.38 \pm 218.14w vs 825.9 \pm 209.45w), 60s push-up endurance (65.63 \pm 16.68 vs 53.63 \pm 12.87) and repeated sprint ability test difference (0.49 \pm 0.3s vs 0.25 \pm 0.07s). No significant differences were evident for all other measured variables.

Conclusion: The physical characteristics of New Zealand and Japanese sub-elite university age rugby players are similar. However, the New Zealand athletes showcase superior 10m sprint speed and hamstring and lower back flexibility. The Japanese athletes showcased superior lower body power, upper body power, muscular endurance and repeated sprint abilities.